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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/668,773	09/22/2003	Andreas Birkenfeld	4100-323	3309
27799 7590 12/17/2007 COHEN, PONTANI, LIEBERMAN & PAVANE 551 FIFTH AVENUE SUITE 1210 NEW YORK, NY 10176			EXAMINER ALIE, GHASSEM	
			ART UNIT 3724	PAPER NUMBER
			MAIL DATE 12/17/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

**Office Action Summary**

Application No.

10/668,773

Applicant(s)

BIRKENFELD ET AL.

Examiner

Ghassem Alie

Art Unit

3724

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 09/20/07.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 9-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 9-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

*Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 9 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Meschi (5,720,223) in view of Faltin (3,889,939), and in further view of Hashigaya (2002/0088323). Meschi discloses a method of cross-cutting a web (1) having a repeated sequence of at least two printed pages with different heights (1a, 1b, 1c, 1d) substantially as claimed, including: printing (printing heads 2, 3) a web (1) with the repeated sequence of at least two printed pages with different heights; moving the printed web (1) in a running direction so that the printed web is supplied at an approximately constant web speed to a cross-cutting device (12) comprising a cutting cylinder (13) having at least one cutting knife (16) and being driven by a cutting cylinder motor (15) to rotate about an axis parallel to a cross-cutting line, the cutting cylinder motor being controlled by a computer and storage unit (24); cutting the printed web transversely to said running direction successively to form different sheets corresponding to at least two printed pages with different heights (1a, 1b, 1c, 1d). Meschi fails to expressly disclose the printing mechanism is a printing press having a plate cylinder, or that the sequence of pages is printed for each rotation of the plate cylinder. However, Faltin discloses a method of cross-cutting a web (18) comprising a web-fed rotary printing press (10) having a plate cylinder (30, 32) driven by

a plate cylinder motor, wherein the repeated sequence of pages is printed for each rotation of the plate cylinder. This arrangement provides smooth operation of the device by synchronizing the movement of the printing press and the cross-cutting device. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to print a sequence of pages for each rotation of the plate cylinder in order to provide smooth operation of the device through synchronization of the printing press and the cross-cutting device.

To the extent it can be argued that Meschi does not disclose a repeated sequence of pages, the Meschi device is clearly capable of printing any sequence of pages, including the one disclosed by Applicant, based on the desires of the user. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to print the web of the Meschi method with a repeated sequence of at least two printed pages with different heights in order to create a sequence of pages desired by the user.

To the extend it can be argued that Meschi, as modified by Faltin, does not explicitly teach the step of communicating a rotary position of the plate cylinder from the plate cylinder motor to the computing and storage unit, Meschi teaches that encoder 26 is integral with the axis of the printing roller which is connected to the motor of the printing roller. See col. 4, lines 64-67. In this case, the motor of the printing roller communicates with the processor or the computing and storage unit. Therefore, the position of the printing roller (or the plate cylinder) also is communicated to the processor 24. In addition, the use of controller system to communicate position of a feeding roller by the feeding roller motor and the position of a

cutter to a memory and storage unit is well known in the art such as taught by Hashigaya. It would have been obvious to a person of ordinary skill in the art to control the speed of the plate cylinder or the printing roller and the cutting roller in Meschi's cutting apparatus, as modified by Faltin, by a controlling mechanism as taught by Hashigaya, in order to easily adjust the speed of the plate cylinder and the cutting roller with respect to each other. In this case, any sequence for the speed of the cylinder plate and corresponding instructions for the cutter could be selected from the memory of the controller in order to produce particular lengths of products or workpieces.

3. Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Meschi in view of Faltin and Hashigaya, as applied to claim 11, and in further view of Jumel et al. (4,620,466). The modified Meschi method fails to teach an unwind device. However Jumel et al disclose an unwind device (42) used in a cutting machine. The unwind device saves space in comparison to a rotary press. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide an unwind device, as disclosed by Jumel et al, with the modified Meschi method for the purpose of saving floor space.

#### ***Response to Arguments***

4. Applicant's arguments with respect to claim 9 have been considered but are moot in view of the new ground(s) of rejection.

#### ***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.


Rasemussen (5,711,225), Hiffmann et al. (4,522,608), and Vanghu et al. (6,983,686) teach a controlled feeding and cutting rollers.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ghassem Alie whose telephone number is (571) 272-4501.

The examiner can normally be reached on Mon-Fri 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Boyer Ashley can be reached on (571) 272-4502. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, SEE <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Ghassem Alie  
Patent Examiner  
Art Unit 3724

GA

November 26, 2007